

Neurotransmitter	Function	Psychological Outcome
• Glutamate	Excitatory; (80% of neurons only release)	reaction time, memory
• GABA	Inhibitory (10% of neurons release)	sleep disorders, anxiety disorders
• <span style="border: 1px solid black; padding: 2px;">Norepinephrine</span> <sup>adrenaline</sup>	alertness & arousal mood levels	↓ depression
• Serotonin	mood levels, appetite, pleasure/pain, sleep	↓ depression ↓ eating disorders
• Dopamine	emotional state, movement, memory, pleasure/pain	↓ Parkinson's ↑ Schizophrenia
• Acetylcholine (Ach)	Brain memory formation muscles Excitatory; muscle contraction	↓ Alzheimer's
• Endorphins		